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1 PDEL-ID: An extension of PDEL for distributed parameter system identification 
Wing Cheung Tam, Walter J. Karplus
March 1974 **Proceedings of the ACM SIGPLAN symposium on Very high level languages**

Full text available:  [pdf\(584.68 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Mathematical models have been commonly used for the simulation of continuous time systems on a digital computer. In many cases, the system models involve parameters which have to be identified from observed data. The digital simulation language PDEL was extended to provide the facilities and capabilities for the identification of parameters in distributed parameter systems. The extended program is designated as PDEL-ID. The extension includes new language statements and convenient facilitie ...

2 Topics in timing: A library compatible driving point model for on-chip RLC interconnects 
Kanak Agarwal, Dennis Sylvester, David Blaauw
December 2002 **Proceedings of the 8th ACM/IEEE international workshop on Timing issues in the specification and synthesis of digital systems**

Full text available:  [pdf\(243.94 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper presents a new library compatible approach to gate-level timing characterization in the presence of RLC interconnect loads. We describe a two-ramp model based on transmission line theory that accurately predicts both the 50% delay and waveform shape (slew rate) at the driver output when inductive effects are significant. The approach does not rely on piecewise linear Thevenin voltage sources. It is compatible with existing library characterization methods and is computationally effici ...

3 System identification using frequency domain methodology 
Arnold Buss
December 1990 **Proceedings of the 22nd conference on Winter simulation**

Full text available:  [pdf\(383.12 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

4 Hybrid aspects for weaving object-oriented functionality and rule-based knowledge 
Maja D'Hondt, Viviane Jonckers
March 2004 **Proceedings of the 3rd international conference on Aspect-oriented software development**

Full text available:  [pdf\(989.52 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

Software applications often consist of implicit knowledge for making decisions or giving advice in addition to object-oriented functionality. A rule-based system can be employed for representing and reasoning with this knowledge. Although several hybrid systems exist that combine object-oriented programming and rule-based reasoning, a survey we conducted reveals that both paradigms are not well integrated and programs are tightly coupled. We